Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for producing reactive organic compounds containing poly-DOPO, said method comprising ~~which are obtained by addition of~~ reacting 9,10-dihydro-9-oxa-10-phosphaphenanthrene-10-oxide (DOPO) ~~onto~~ with acetylenically unsaturated compounds ~~which carry~~ having reactive groups, wherein said reacting step is performed in the presence of a catalyst which is suitable for the addition of triple bonds.

2. (Currently Amended) The method as claimed in claim 1, wherein the organophosphorus compound DOPO and the acetylenically unsaturated compound are reacted with one another in ~~the~~ a ratio of 1.5 to 3 mol of DOPO per triple bond[[,]] ~~preferably 1.9 to 2.1 mol of DOPO per triple bond~~.

3. (Currently Amended) The method as claimed in claim 1 ~~and 2~~, wherein the acetylenically unsaturated compounds used are alkynes, alkynols, alkynecarboxylic acids, alkynecarboxylic esters or corresponding alkadiyne compounds.

4. (Currently Amended) The method as claimed in claim 1 ~~to 3~~, wherein the catalyst used for the reaction of the organophosphorus compound DOPO with the acetylenically unsaturated compound is mercury salts, ~~or~~ copper salts, ~~or~~ amines or[[,]] ~~preferably~~[[,]] aluminum triisopropoxide.

5. (Currently Amended) The method as claimed in claim 1 ~~to 4~~, wherein the addition reaction is carried out in solution[[,]] ~~where the solvent used is preferably 1,4-dioxane~~.

6. (Currently Amended) Flame retardant for thermoplastic polymers comprising ~~The use of~~ the reactive organic compounds containing poly-DOPO prepared as in claims 1 ~~to 5 as flame retardant for thermoplastic polymers~~.

7. (New) The method as claimed in Claim 2, wherein the ratio is 1.9 to 2.1 mol of DOPO per triple bond.

8. (New) The method as claimed in Claim 5, wherein the addition reaction is carried out in 1,4-dioxane.